



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

C2-6HC-OH
Job Sheet 176765



Part No: C2-6HC-OH

Job Qty: 1 ea

Part Name: 6 Hook Carousel



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 4/30/18

Job Tracking No: RA150 SN: AC09002

Due Date: 5/14/18

Created By: Michelle Gagnon-Donovan

Type: Return

Description:

Note: DWG C2 Rev. 2 IPP Rev. A 18.04.27 new issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup	Run	Workcenter / Supplier	Lead Time	
					hrs	Hrs			
100	Start up Operation	1 Ea	5/14/18	5/14/18	0.00	0.00	Start Up Small Fab-4		AP 18/15/16
110	Small Fab	1 pcs	5/14/18	5/14/18	0.00	1.00	Small Fab-9		AP
120	QC	1 pcs	5/14/18	5/14/18	0.00	0.00	QC5		AP
130	Customer Acceptance	1 pcs	5/14/18	5/14/18	0.00	0.00			AP
140	Outsource	1 pcs	5/14/18	5/14/18			GRO002-VC	10	
150	Packaging	1 pcs	5/14/18	5/14/18	0.00	0.00	Packaging2		
160	QC	1 pcs	5/14/18	5/14/18	0.00	0.00	QC6		
170	Small Fab	1 pcs	5/14/18	5/14/18	0.00	1.00	Small Fab-9		
180	QC	1 pcs	5/14/18	5/14/18	0.00	0.00	QC5		
185	DC	1 pcs	5/14/18	5/14/18	0.00	0.00	DC		
190	Packaging	1 pcs	5/14/18	5/14/18	0.00	0.00	Packaging3-2		
200	QC21-FG	1 Ea	5/14/18	5/14/18	0.00	0.00	QC21		

Part Op 110 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.

Descriptions: 170 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.

185 - Photocopy blue file and create labels

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C2-6HC-AR	6 Hook Carousel	1 Ea (1 ea)	100-Start up Operation	5061884
188-FPSS-1032-1/4	Set Screw	2 Ea (2 ea)	170-Small Fab	5058750
2595K22	Heat Shrink Tube	1 Ea (1 ea)	170-Small Fab	
32446	Crimp Terminal	2 Ea (2 ea)	170-Small Fab	
600.1310P	Label	1 pcs (1 ea)	170-Small Fab	
600.1314P	C2 Caution Sticker	1 pcs (1 ea)	170-Small Fab	5029484
AN3-14A	Bolt	1 Ea (1 ea)	170-Small Fab	5067270
AN310-6	Castellated Nut	1 Ea (1 ea)	170-Small Fab	
AN4-16A	Bolt	2 Ea (2 ea)	170-Small Fab	3068654
AN4-17A	Bolt	1 Ea (1 ea)	170-Small Fab	5067893
AN5-21A	Bolt	2 Ea (2 ea)	170-Small Fab	
AN6-22A	Bolt	1 Ea (1 ea)	170-Small Fab	
C2-1-1	Manual Release Knob	1 Ea (1 ea)	170-Small Fab	
C2-10-1	Lock Spring Pin	1 pcs (1 ea)	170-Small Fab	
C2-11-1	Side Plate, Solenoid	1 Ea (1 ea)	170-Small Fab	

C2-11-2	Locating Pin	2 Ea (2 ea)	170-Small Fab	
C2-12-1 P	Lock Bushing	2 Ea (2 ea)	170-Small Fab	5029234
C2-12-3	Lock	1 Ea (1 ea)	170-Small Fab	
C2-12-7P	Teflon Spacer Lock	2 pcs (2 ea)	170-Small Fab	5029236
C2-12-8	DUST SHEILD - C2 HOOK	2 Ea (2 ea)	170-Small Fab	5069997
C2-13-4P	Keeper C2 Hook	1 pcs (1 ea)	170-Small Fab	
C2-13-5	Keeper Spring	1 (1 ea)	170-Small Fab	5029239
C2-14-2	Label Rivets	2 Ea (2 ea)	170-Small Fab	5040661
C2-2-1	Side Plate	1 Ea (1 ea)	170-Small Fab	
C2-20-21	Cotter Pin	1 Ea (1 ea)	170-Small Fab	
C2-20-5	Weldment	1 Ea (1 ea)	170-Small Fab	
C2-21P	Lifting Bushing C2 Cage	1 pcs (1 ea)	170-Small Fab	
C2-3-1	Bearing DU	2 pcs (2 ea)	170-Small Fab	5068886
C2-3-10	Latch Shaft	1 Ea (1 ea)	170-Small Fab	
C2-3-11	Actuator	1 pcs (1 ea)	170-Small Fab	
C2-3-2	Latch Roller Pin	1 Ea (1 ea)	170-Small Fab	
C2-3-2-1	Roller Pin Retaining Ring	2 Ea (2 ea)	170-Small Fab	5056845
C2-3-3	Latch Roller	1 Ea (1 ea)	170-Small Fab	
C2-3-3-1	Latch Roller DU Bearing	1 Ea (1 ea)	170-Small Fab	5050472
C2-3-5	Spacer, Teflon	2 Ea (2 ea)	170-Small Fab	5058758
C2-3-6	Latch	1 Ea (1 ea)	170-Small Fab	
C2-3-8	Actuator Bushing	2 Ea (2 ea)	170-Small Fab	5072543
C2-4-1 P	Trunnion Bushing	2 (2 ea)	170-Small Fab	5029251
C2-4-4A	Load Beam Assembly - C2 Hook	1 Ea (1 ea)	170-Small Fab	
C2-5-1	Actuator Stop	1 Ea (1 ea)	170-Small Fab	
C2-7-1P	Load Beam Bumper	1 pcs (1 ea)	170-Small Fab	5029255
C2-7-2P	Lock Bumper	2 Ea (2 ea)	170-Small Fab	5029256
C2-9-1P	Clock Spring Cover	1 pcs (1 ea)	170-Small Fab	
C2-9-2	Clock Spring	1 Ea (1 ea)	170-Small Fab	
C2-9-3	Clock Spring Cover Screw	4 Ea (4 ea)	170-Small Fab	5061527
C3-10-2	Lock Spring	1 Ea (1 ea)	170-Small Fab	5070352
C3-3-4	Link Pin	2 Ea (2 ea)	170-Small Fab	
C3-3-4-1	Ring, Retaining	4 pcs (4 ea)	170-Small Fab	5070542
C3-3-7	Link	1 Ea (1 ea)	170-Small Fab	
C3-3-9P	Actuator Spring	1 pcs (1 ea)	170-Small Fab	5029280
C3-8-2	Solenoid	1 Ea (1 ea)	170-Small Fab	
C3-8-4	Solenoid Cover Gasket	1 pcs (1 ea)	170-Small Fab	
C3-8-5	Solenoid Cover	1 Ea (1 ea)	170-Small Fab	
CORD GRIP	Cord Grip	1 pcs (1 ea)	170-Small Fab	
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	170-Small Fab	
M27500-16TG2T14	Wire - 16-Gauge - Shielded	1 pcs (1 ea)	170-Small Fab	
MS21044N4	Nut, Self-Locking	3 Ea (3 ea)	170-Small Fab	5058122 / 5061119
MS21044N5	Nut	2 Ea (2 ea)	170-Small Fab	
MS21083N3	Nut	3 Ea (3 ea)	170-Small Fab	5036469
MS35266-63	Solenoid Cover Screw	1 Ea (1 ea)	170-Small Fab	5038767
MS35338-137	Washer	4 Ea (4 ea)	170-Small Fab	5050160
MS35338-137	Washer	4 Ea (4 ea)	170-Small Fab	
NAS1149F0332P	Washer	4 Ea (4 ea)	170-Small Fab	5068663
NAS1149F0363P	Washer	1 Ea (1 ea)	170-Small Fab	5027738
NAS1149F0463P	Washer	6 Ea (6 ea)	170-Small Fab	5056461-1
NAS1149F0563P	Washer	4 Ea (4 ea)	170-Small Fab	
NAS1149F0663P	Washer	2 Ea (2 ea)	170-Small Fab	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Start up Operation	C2-6HC	1	0	0
170-Small Fab	188-FPSS-1032-1/4	2	104	0
	2595K22	1	25	0
	32446	2	100	0
	600.1310P	1	60	0
	600.1314P	1	60	0
	AN3-14A	1	74	0
	AN310-6	1	15	0
	AN4-16A	2	239	0
	AN4-17A	1	163	0
	AN5-21A	2	53	0
	AN6-22A	1	8	0
	C2-1-1	1	0	0
	C2-10-1	1	0	0
	C2-11-1	1	0	0
	C2-11-2	2	100	0
	c2-12-1	2	0	0
	C2-12-3	1	0	0
	C2-12-7P	2	258	0
	C2-12-8	2	0	0
	C2-13-4P	1	28	0
	C2-13-5	1	0	0
	C2-14-2	2	264	0
	C2-2-1	1	0	0
	C2-20-21	1	0	0
	C2-20-5	1	0	0
	C2-21P	1	25	0
	C2-3-1	2	0	0
	C2-3-10	1	28	0
	C2-3-11	1	0	0
	C2-3-2	1	0	0
	C2-3-2-1	2	100	0
	C2-3-3	1	0	0
	C2-3-3-1	1	29	0
	C2-3-5	2	100	0
	C2-3-6	1	0	0
	C2-3-8	2	6	0
	C2-4-1	2	0	0
	C2-4-4A	1	0	0
	C2-5-1	1	20	0
	C2-7-1P	1	119	0
	C2-7-2	2	0	0
	C2-9-1P	1	54	0
	C2-9-2	1	0	0
	C2-9-3	4	50	0
	C3-10-2	1	0	0
	C3-3-4	2	0	0
	C3-3-4-1	4	62	0
	C3-3-7	1	50	0
	C3-3-9	1	0	0
	C3-8-2	1	0	0
	C3-8-4	1	0	0
	C3-8-5	1	0	0
	CORD GRIP	1	7	0
	EL-PLUG-M	1	58	0
	M27500-16TG2T14	1	0	0
	MS21044N4	3	158	0
	MS21044N5	2	99	0
	MS21083N3	3	87	0
	MS35266-63	1	44	0
	MS35338-137	8	578	0
	NAS1149F0332P	4	1,653	0
	NAS1149F0363P	1	221	0
	NAS1149F0463P	6	472	0
	NAS1149F0563P	4	161	0
	NAS1149F0663P	2	983	0

Part Specifications

Specifications could not be found.

Plex 4/30/18 2:38 PM Dart.Gagnon.Michelle

Inspection Sheet Complete RA150

Part Number	Batch / Serial #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Work order #	Work order instructions
C60	SN 6071, M994-03	2	☐ es	☐ es	☐ es	☐ es	CUSTOMER SUPPLIED	S041605(6071); and S052546(M994-03)	Customer supplied part. Customer sending C60 SN 6071 to be overhaul. Perform overhaul and return to customer. Customer also sending C60 M994-03 to be overhaul. C60 was received with cage. Remove from cage, perform overhaul, re-install hook to cage and return to customer.
C45	AC11007	1	☐ es	☐ es	☐ es	☐ es	CUSTOMER SUPPLIED	S050438	Customer supplied part. Customer sending C45 AC11007 to be overhaul. C60 was received with cage. Remove from cage, perform overhaul, re-install hook to cage and return to customer.
SWA6A-2	AC10006, AC11003, AC4006,	3	☐ es	☐ es	☐ es	☐ es	CUSTOMER SUPPLIED	S041058(AC10006); S041604(AC11003); S042053(AC4006)	Customer supplied part x3. Customer sending SWA6A-2 AC4006, AC11003 and AC4006 to be overhaul. Perform overhaul and return to customer.
SWA6A-4	AC09002 AC09001	2	☐ es	☐ es	☐ es	☐ es	CUSTOMER SUPPLIED	S041603(AC09002) and S061865(AC09001)	Customer supplied part x2. Customer sending SWA6A-4 serial# AC09002 and AC09001 for testing. Perform test as per Electric Swivel SWA6A. Return to customer.
P5400-100	AC09003	1	☐ es	☐ es	☐ es	☐ es	CUSTOMER SUPPLIED	S052552(AC09003)	Customer supplied part. Customer sending longline P5400-100 serial# AV09003 for inspection Send out for pull test. Return to customer.
P5400-50	AC09002	1	☐ es	☐ es	☐ es	☐ es	CUSTOMER SUPPLIED	S041056(AC09002)	Customer supplied part. Customer sending longline P5400-50 serial# AV09002 for inspection Send out for pull test. Return to customer.
P7300-150	BMMG722	1	☐ es	☐ es	☐ es	☐ es	CUSTOMER SUPPLIED	S050439(BMMG722)	Customer supplied part. Customer sending longline P7300-150 serial# BMMG722 for inspection Send out for pull test. Return to customer.
P7300-50	AC09001, AC09002	2	☐ es	☐ es	☐ es	☐ es	CUSTOMER SUPPLIED	S041057(AC09001) and S052555(AC09002)	Customer supplied part. Customer sending qty2 of longlines P7300-50 serial# AC09001 and AC09002 for inspection Send out for pull test. Return to customer.

C2-6HC	AC09001, AC09002	2	☐ yes	☐ yes	☐ yes	☐ yes	CUSTOMER SUPPLIED	S061883(AC9001) and S061884(AC09002)	Customer supplied part qty 2. 1.Customer sending C2-6HC serial# AC09001 for overhaul. Carousel C2-6HC was received with all C2 hook install serial# M987-07, M987-10, M987-11, M987-12, M987-13, and M987-14 Disassemble and perform overhaul on carousel and all C2 hook as per manual and record all finding as per test sheet. Reinstall and return to customer. 2.Customer sending C2-6HC serial# AC09002 for overhaul. Carousel C2-6HC was received with all C2 hook install serial# M987-09, M987-16, M987-17, M987-18, M987-20, and M987-22 Disassemble and perform overhaul on carousel and all C2 hook as per manual and record all finding as per test sheet. Reinstall and return to customer
C2(These Hooks are part of C2-6HC above)		12	☐ yes	☐ yes	☐ yes	☐ yes			See C2-6HC above
			☐ yes	☐ yes	☐ yes	☐ yes			



DATE: 2018/05/10

NON - DESTRUCTIVE TESTING

MODEL: C2

S/N : M987-09

P/N	DESCRIPTION	QUANTITY
C2-4-4A	LOAD BEAM	1
C2-3-11	ACTUATOR SHAFT	1
C2-3-6	LATCH	1
C2-3-10	LATCH SHAFT	1
C2-12-3	LOCK	1
C2-2-1	SIDE PLATE	1
C2-11-1	SIDE PLATE (SEL SIDE)	1
C2-3-3	LATCH ROLLER	1
C2-3-2	LATCH ROLLER PIN	1
C3-3-7	LINK	1
		1



DATE: 2018/05/10

NON - DESTRUCTIVE TESTING

MODEL: C2

S/N : M987-17

P/N	DESCRIPTION	QUANTITY
C2-4-4A	LOAD BEAM	1
C2-3-11	ACTUATOR SHAFT	1
C2-3-6	LATCH	1
C2-3-10	LATCH SHAFT	1
C2-12-3	LOCK	1
C2-11-1	SIDE PLATE (SEL. SIDE)	1
C2-3-3	LATCH ROLLER	1
C2-3-2	LATCH ROLLER PIN	1
C3-3-7	LINK	1

ALAIN PATRY



DATE: 2018/05/10

NON - DESTRUCTIVE TESTING

MODEL: C2

S/N : M987-18

P/N	DESCRIPTION	QUANTITY
C2-4-4A	LOAD BEAM	1
C2-3-11	ACTUATOR SHAFT	1
C2-3-6	LATCH	1
C2-3-10	LATCH SHAFT	1
C2-12-3	LOCK	1
C2-2-1	SIDE PLATE	1
C2-11-1	SIDE PLATE (SEL. SIDE)	1
C2-3-3	LATCH ROLLER	1
C2-3-2	LATCH ROLLER PIN	1
C3-3-7	LINK	1

ALAIN PATRY



DATE: 2018/05/10

NON - DESTRUCTIVE TESTING

MODEL: C2

S/N : M987-20

P/N	DESCRIPTION	QUANTITY
C2-4-4A	LOAD BEAM	1
C2-3-11	ACTUATOR SHAFT	1
C2-3-6	LATCH	1
C2-3-10	LATCH SHAFT	1
C2-12-3	LOCK	1
C2-2-1	SIDE PLATE	1
C2-11-1	SIDE PLATE (SEL. SIDE)	1
C2-3-3	LATCH ROLLER	1
C2-3-2	LATCH ROLLER PIN	1
C3-3-7	LINK	1

ALAIN PATRY



DATE: 2018/05/10

NON - DESTRUCTIVE TESTING

MODEL: C2

S/N : M987-22

P/N	DESCRIPTION	QUANTITY
C2-4-4A	LOAD BEAM	1
C2-3-11	ACTUATOR SHAFT	1
C2-3-6	LATCH	1
C2-3-10	LATCH SHAFT	1
C2-12-3	LOCK	1
C2-2-1	SIDE PLATE	1
C2-11-1	SIDE PLATE (SEL. SIDE)	1
C2-3-3	LATCH ROLLER	1
C2-3-2	LATCH ROLLER PIN	1
C3-3-7	LINK	1

ALAN PATRY



DATE: 2018/05/10

NON - DESTRUCTIVE TESTING

MODEL: C2

S/N : M987-16

P/N	DESCRIPTION	QUANTITY
C2-4-4A	LOAD BEAM	1
C2-3-11	ACTUATOR SHAFT	1
C2-3-6	LATCH	1
C2-3-10	LATCH SHAFT	1
C2-12-3	LOCK	1
C2-2-1	SIDE PLATE	1
C2-11-1	SIDE PLATE (SEL SIDE)	1
C2-3-3	LATCH ROLLER	1
C2-3-2	LATCH ROLLER PIN	1
C3-3-7	LINK	1

ALAIN PATRY



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO039868

Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

PO No: PO039868
PO Date: 5/11/18
Due Date: 5/16/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Part	Supplier Part No	Item No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1			OUTSIDE SERVICES	C2-6HC-OH MAGNAFLUX WO 176765	Firmed	5/16/18	1 Ea	1 Ea	1 Ea	\$1,068.00/Ea	\$1,068.00
										Grand Total:	\$1,068.00

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

CL

Plex 5/16/18 12:52 PM dart.lavoie.chantal

**skyservice****Work Order Traveler**

Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

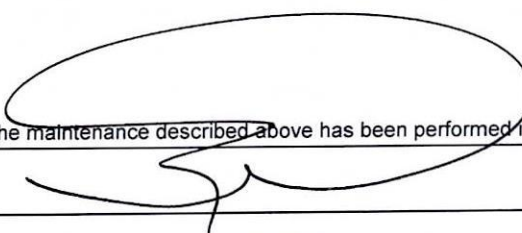
WO #: MWO36008	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: PO039868
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED			Sequence: 1

Work Required:

CARRY OUT NDT ON 6 HOOK CAROUSEL P/N C2-6HC-OH , J/S 176765 ,
S/N M987-09 / M987-17 / M987-18 / M987-20 / M987-22 / M987-16

Action Taken:						Date:	Initial/Stamp:
LPI & MPI C/O IAW ASTM E-1417M-16 & E-1444M-16						MAY 14 2018	 
NO CRACK FOUND							
MAGBENCH S/N 208123 CAL DUE: 23-JUL-2018 POWDER 14A BATCH# MPO13600 CARRIER II BATCH# MPO20165 PEN ZL-37, MPO13139, CLEANER SKC-S MPO15030, EMU. MPO15896, DEV. MPO15030, UV LIGHT M-20142							
<i>Description</i>	<i>Location</i>	<i>P/N</i>	<i>Qty</i>	<i>Batch</i>	<i>S/N Off</i>	<i>S/N On</i>	

I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature: 	ACA/SCA Stamp 	Date: MAY 14 2018
Name: RAFIK MELIKIAN		



Remote Cargo Hook Test Form

C2****MAKE SURE YOU ARE USING THE CORRECT TEST FORM FOR THE CORRECT SOLENOID!****

OLD SOLENOID (H2817-024)

Work Order

176765

Customer

Andes

Serial Number

M987-18

Date

2018/05/30

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	5,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	1,000	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	2,000	Electircal, 22 volts	Current shall not exceed 5.4A	4.2 Amp.	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 5.4A	4.1 Amp.	Pass
2	1,000	Electircal, 22 volts	Current shall not exceed 5.4A	4.1 Amp.	Pass
2	500	Electircal, 22 volts	Current shall not exceed 5.4A	4.0 Amp.	Pass
2	100	Electircal, 22 volts	Current shall not exceed 5.4A	4.0 Amp.	Pass
1	2,000	Electircal, 20 volts	Current shall not exceed 5.4A	3.6 Amp.	Pass
1	2,000	Electircal, 28 volts	Current shall not exceed 5.4A	5 Amp.	Pass
1	2,000	Manual		N/A	Pass
1	2,000	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 4.9-5.4 Ohms	5.3 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By:

ALAIN PATRY

Signature

Sylvie Bouchard

QC 5 Small FAB / QA



Remote Cargo Hook Test Form

C2

MAKE SURE YOU ARE USING THE CORRECT TEST FORM FOR THE CORRECT SOLENOID!

OLD SOLENOID (H2817-024)

Work Order 176765

Customer Andes

Serial Number M 987-20

Date 2018-05-29

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	5,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	1,000	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	2,000	Electircal, 22 volts	Current shall not exceed 5.4A	4.2 Amp.	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 5.4A	4.1 Amp.	Pass
2	1,000	Electircal, 22 volts	Current shall not exceed 5.4A	4.1 Amp.	Pass
2	500	Electircal, 22 volts	Current shall not exceed 5.4A	4.0 Amp.	Pass
2	100	Electircal, 22 volts	Current shall not exceed 5.4A	4.0 Amp.	Pass
1	2,000	Electircal, 20 volts	Current shall not exceed 5.4A	3.6 Amp.	Pass
1	2,000	Electircal, 28 volts	Current shall not exceed 5.4A	5 Amp.	Pass
1	2,000	Manual		N/A	Pass
1	2,000	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 4.9-5.4 Ohms	5.3 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By: ALAN PATRY

Signature

Sylvia Pouchon
QC 5 Small FAB / QA



Remote Cargo Hook Test Form

C2****MAKE SURE YOU ARE USING THE CORRECT TEST FORM FOR THE CORRECT SOLENOID!****

OLD SOLENOID (H2817-024)

Work Order 176765Customer AndesSerial Number M987-09Date 2018/05/29

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	5,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	1,000	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	2,000	Electircal, 22 volts	Current shall not exceed 5.4A	4.2 Amp.	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 5.4A	4.1 Amp.	Pass
2	1,000	Electircal, 22 volts	Current shall not exceed 5.4A	4.1 Amp.	Pass
2	500	Electircal, 22 volts	Current shall not exceed 5.4A	4.0 Amp.	Pass
2	100	Electircal, 22 volts	Current shall not exceed 5.4A	4.0 Amp.	Pass
1	2,000	Electircal, 20 volts	Current shall not exceed 5.4A	3.6 Amp.	Pass
1	2,000	Electircal, 28 volts	Current shall not exceed 5.4A	5 Amp.	Pass
1	2,000	Manual		N/A	Pass
1	2,000	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 4.9-5.4 Ohms	5.3 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By: ALAN PATRY

Signature

QC 5 Small FAB / QA



Remote Cargo Hook Test Form

C2

MAKE SURE YOU ARE USING THE CORRECT TEST FORM FOR THE CORRECT SOLENOID!

OLD SOLENOID (H2817-024)

Work Order 176765

Customer Andes

Serial Number M 987-17

Date 2018/05/29

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	5,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	1,000	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	2,000	Electircal, 22 volts	Current shall not exceed 5.4A	4.2 Amp.	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 5.4A	4.1 Amp.	Pass
2	1,000	Electircal, 22 volts	Current shall not exceed 5.4A	4.1 Amp.	Pass
2	500	Electircal, 22 volts	Current shall not exceed 5.4A	4.0 Amp.	Pass
2	100	Electircal, 22 volts	Current shall not exceed 5.4A	4.0 Amp.	Pass
1	2,000	Electircal, 20 volts	Current shall not exceed 5.4A	3.6 Amp.	Pass
1	2,000	Electircal, 28 volts	Current shall not exceed 5.4A	5 Amp.	Pass
1	2,000	Manual		N/A	Pass
1	2,000	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 4.9-5.4 Ohms	5.3 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By: ALAIN PATRY

Signature Sylvie Bouchard
QC 5 Small FAB / QA



Remote Cargo Hook Test Form

C2

MAKE SURE YOU ARE USING THE CORRECT TEST FORM FOR THE CORRECT SOLENOID!

OLD SOLENOID (H2817-024)

Work Order 176765

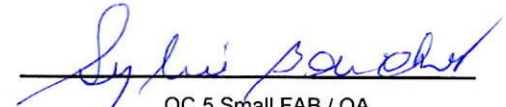
Customer ANDES

Serial Number M987-16

Date 2018/05/29

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	5,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	1,000	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	2,000	Electircal, 22 volts	Current shall not exceed 5.4A	4.2 Amp.	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 5.4A	4.1 Amp.	Pass
2	1,000	Electircal, 22 volts	Current shall not exceed 5.4A	4.1 Amp.	Pass
2	500	Electircal, 22 volts	Current shall not exceed 5.4A	4.0 Amp.	Pass
2	100	Electircal, 22 volts	Current shall not exceed 5.4A	4.0 Amp.	Pass
1	2,000	Electircal, 20 volts	Current shall not exceed 5.4A	3.6 Amp.	Pass
1	2,000	Electircal, 28 volts	Current shall not exceed 5.4A	5 Amp.	Pass
1	2,000	Manual		N/A	Pass
1	2,000	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 4.9-5.4 Ohms	5.3 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By: ALAN PATRY

Signature 
QC 5 Small FAB / QA



Remote Cargo Hook Test Form

C2****MAKE SURE YOU ARE USING THE CORRECT TEST FORM FOR THE CORRECT SOLENOID!****

OLD SOLENOID (H2817-024)

Work Order 176765Customer AndesSerial Number M 987-22Date 2018/05/29

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	5,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	1,000	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	2,000	Electircal, 22 volts	Current shall not exceed 5.4A	4.2 Amp.	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 5.4A	4.1 Amp.	Pass
2	1,000	Electircal, 22 volts	Current shall not exceed 5.4A	4.1 Amp.	Pass
2	500	Electircal, 22 volts	Current shall not exceed 5.4A	4.0 Amp.	Pass
2	100	Electircal, 22 volts	Current shall not exceed 5.4A	4.0 Amp.	Pass
1	2,000	Electircal, 20 volts	Current shall not exceed 5.4A	3.6 Amp.	Pass
1	2,000	Electircal, 28 volts	Current shall not exceed 5.4A	5 Amp.	Pass
1	2,000	Manual		N/A	Pass
1	2,000	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 4.9-5.4 Ohms	5.3 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By: ALAIN PATRY

Signature

QC 5 Small FAB / QA



Overhaul Incoming Inspection
C2 Cargo Hook

Customer

ANDES

Date

2018/05/08

Part Number

C2

Serial Number

M987-09

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

C3-3-4 (2) LINK PIN

☐

C3-8-3

☐

C2-10-1

☐☐☐☐☐☐☐☐

Inspected By

ALAIN PATRY

JOB SHEET: 176765

C2-CARGO Hook

SERIAL NO: M987-09

DATE: 2018/05/08

PARTS TO BE REPLATE

PART NO	DESCRIPTION
C2-4-4A	LOAD BEAM
C2-13-4	KEEPER
C2-12-3	LOCK

PARTS TO BE REANODIZE

PART NO	DESCRIPTION

INSPECTED : ALAIN PATRY



Overhaul Incoming Inspection
C2 Cargo Hook

Customer

ANDES

Date

2018/05/08

Part Number

C2

Serial Number

1987-20

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

C3-3-4 (2) LINK PIN

☐

C3-8-3

☐

C2-10-1

☐☐☐☐☐☐☐☐

Inspected By

ALAIN PATRY

JOB SHEET: 176765

SERIAL NO: M987-20

C2-CARGO Hook

DATE: 2018/05/08

PARTS TO BE REPLATE

PART NO	DESCRIPTION
C2-4-4A	LOAD BEAM
C2-13-4	KEEPER
C2-12-3	LOCK

PARTS TO BE REANODIZE

PART NO	DESCRIPTION

INSPECTED: ALAIN PATRY



Overhaul Incoming Inspection
C2 Cargo Hook

Customer

ANDES

Date

2018/05/08

Part Number

C2

Serial Number

M987-22

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

C3-3-4 (2) LINK PIN

☐

C3-8-3

☐

C2-10-1

☐☐☐☐☐☐☐☐

Inspected By

ALAIN PATRY

JOB SHEET: 176765

C2-CARGO Hook

SERIAL NO: M987-22

DATE: 2018/05/08

PARTS TO BE REPLATE

PART NO	DESCRIPTION
C2-4-4A	LOAD BEAM
C2-13-4	KEEPER
C2-12-3	LOCK

PARTS TO BE REANODIZE

PART NO	DESCRIPTION

INSPECTED: ALAIN PATRY



Overhaul Incoming Inspection
C2 Cargo Hook

Customer

ANDES

Date

2018/05/8

Part Number

C2

Serial Number

M 987-16

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

C3-3-4 (2) LINK PIN

☐

C3-8-3

☐

C2-10-1

☐

C2-10-1

☐

C2-10-1

☐

C2-10-1

☐

C2-10-1

☐

C2-9-1 (1) CLOCK

☐

C2-2-1 (1) SIDE PLATE

☐

C2-2-1 (1) SIDE PLATE

☐

C2-2-1 (1) SIDE PLATE

☐

C2-2-1 (1) SIDE PLATE

☐

C2-2-1 (1) SIDE PLATE

☐

C2-2-1 (1) SIDE PLATE

☐

C2-2-1 (1) SIDE PLATE

☐

Inspected By

ALAIN PATRY

JOB SHEET: 176765

SERIAL NO: M987-16

C2-CARGO HOOK

DATE: 2018/05/08

PARTS TO BE REPLATE

PART NO	DESCRIPTION
C2-4-4A	LOAD BEAM
C2-13-4	KEEPER
C2-12-3	LOCK

PARTS TO BE REANODIZE

PART NO	DESCRIPTION

INSPECTED: ALAIN PATRY



Overhaul Incoming Inspection
C2 Cargo Hook

Customer

ANDES

Date

2018/05/08

Part Number

C2

Serial Number

M987-18

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

C3-3-4 (2) LINK PIN

☐

C2-3-2 (1) LATCH ROLLER PIN -

☐

C3-3-7 LINK

☐

C3-8-2 solenoid

☐

C3-8-3

☐

C2-10-1

☐☐☐☐☐

Inspected By

ALAIN PATRY

JOB SHEET: 176765

SERIAL NO: M987-18

C2-CARGO Hook

DATE: 2018/05/08

PARTS TO BE REPLATE

PART NO	DESCRIPTION
C2-4-4A	LOAD BEAM
C2-13-4	KEEPER
C2-12-3	LOCK

PARTS TO BE REANODIZE

PART NO	DESCRIPTION

INSPECTED : ALAIN PATRY



SUBJECT
OWNER'S & OVERHAUL PROCEDURE MANUAL 2000 LBS REMOTE CARGO HOOK C2

REPORT
O&OPM-C2
REV. 4
2/27/2017

...continued from previous page

C2-3-1 ✓	Bearing DU	2 ✓
C2-3-2-1 ✓	Retaining Ring	2
C2-3-3-1 ✓	Latch Roller DU Bearing	1
C3-3-4-1 ✓	Retaining Ring	4
C2-3-5 ✓	Spacer	2
C2-3-8	Actuator Bushing	2
C3-3-9 p ✓	Actuator Spring	1
C2-4-1 p.	Trunnion Bushing	2
C2-7-1 p ✓	Load Beam Bumper	1
C2-7-2 p ✓	Lock Bumper	2
MS21083N3 ✓	Self-Locking Nut	3
AN960-10L NAS1149F0332p ✓	Washer	4
C3-8-4 p ✓	Solenoid Cover Gasket	1
MS35266-63 ✓	Solenoid Cover Screw	1
AN960-10 NAS1149F0332p ✓	Washer	1
C2-9-3 ✓	Socket Head Cap Screw	4
MS35338-137 ✓	Spring Washer	4
C3-10-2 ✓	Lock Spring	1
C2-12-1 p ✓	Lock Bushing	2
C2-12-7 p ✓	Lock Spacer Ring	2
C2-12-8 ✓	Dust Shield	2
AN3-14A ✓	Keeper Shaft Bolt	1
C2-13-5	Keeper spring	1
600.1310-A	Label (not show)	1
C2-14-2 ✓	Label Rivets (not shown)	4
600.1314 p ✓	Caution Sticker (not shown)	1

only "7" missing "5"

missing "2"

Table 6.2 – Dart Aerospace C2 Overhaul Kit Parts List

PROPRIETARY

Copyright 2017 DART Aerospace
All Rights Reserved



Overhaul Incoming Inspection
C2 Cargo Hook

Customer ANDES

Date 2018/05/08

Part Number C2

Serial Number M987-17

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

C3-3-4 (2) LINK PIN

☐

C3-8-3

☐

C2-10-1

☐☐☐

C2-2-1 (1) SIDE PLATE

☐☐☐☐☐

Inspected By ALAIN PATRY

JOB SHEET: 176765

C2-CARGO Hook

SERIAL NO: M987-17

DATE: 2018/05/08

PARTS TO BE REPLATE

PART NO	DESCRIPTION
C2-4-4A	LOAD BEAM
C2-13-4	KEEPER
C2-12-3	LOCK

PARTS TO BE REANODIZE

PART NO	DESCRIPTION

INSPECTED : ALAIN PATRY



SUBJECT
OWNER'S & OVERHAUL PROCEDURE MANUAL 2000 LBS REMOTE CARGO HOOK C2

REPORT
O&OPM-C2
REV. 4
2/27/2017

Section 6.0: Overhaul Preparation

Before the overhaul process may begin, the following preparations must be made.

6.1 REQUIRED ITEMS

The following items are required to complete the overhauling process as outlined in this manual:

- Dart Aerospace C2 Overhaul Kit (P/N: 648.4701)
- Loctite #620 Retaining Compound
- Aeroshell Grease 7
- SAF-T-EZE Copper Anti-Seize (or equivalent)
- Vinyl Electrical Tape
- Standard Multimeter
- Parts Washing Solvent
- Aluminum Oxide 100/200/400, or Scotch Brite (or similar)
- Raychem RNF-100 Heat-Shrink Tubing .25"exp - .125"rec (or equivalent)

6.2 PARTS LIST AND ASSEMBLY FIGURES

A copy of the complete parts list and assembly figures have been included in this document. They may be used as a reference source at any time.

Table 6.2 below lists all the parts contained in the Dart Aerospace C2 Overhaul Kit (P/N: 648.4701). It is recommended that this table be used to verify that all parts are present.

PART#	NAME	QTY. (648.4701)
188-FPSS-1032-1/4 ✓	Set Screw	2
AN4-16A ✓	Screw	2
AN960-416 <i>AS 1149 F04 b3p</i> ✓	Washer	6
MS21044N4 ✓	Locknut	3
AN4-17A ✓	Screw	1

...continued on next page

PROPRIETARY

Copyright 2017 DART Aerospace
All Rights Reserved